

conditioning the computer to receive digital facsimile signals representing data on a scanned document;

conditioning the facsimile machine to transmit digital signals representing data on a scanned document to the computer, said computer being equipped with send/receive driver communications software enabling the reception of scanned image signals from the facsimile machine, said transmitted digital facsimile signals being received directly into the computer interface through the passive link, thereafter, said computer processing the received digital facsimile signals of the scanned document as needed.

→ Claim 28. Amendment 4 - A method of performing a scanning function to a pre-existing facsimile modem, connected to a facsimile machine, said facsimile modem being internal or external to a computer in order to enable a scanning function, said facsimile machine and fax modem are connected through a passive link when transferring scanned signal data, without interception of said signals between the facsimile machine and the fax modem, said facsimile machine and fax modem being isolated from the public network telephone line, and by which the establishment of the transmission state within these types of connections include one of:

- A or D
- a) External initiation including ringing, constant current, on/off hook, or any typical telephone or digital signaling protocols.
  - b) Internal initiation, including setting a manual receive mode, setting a specialized mode including a computer mode, and by pressing a start button on the facsimile machine.
  - c) Initiation selected from a combination of a) and b).

sub K<sub>1</sub> }  
J1  
C-1  
112,  
Claim 29. Amendment 4 - The method of claim 27 to create a scanning function through a passive link between a facsimile machine and a computer by transfer of non-intercepted signals from a facsimile machine through a connection containing data representative of scanned images, said facsimile machine by-passing or isolated from a public network telephone line, and connected to an appropriate receiving port of a computer or other office product capable of receiving and processing said signals. } in claim 21 } new

Claim 35. Amendment 3 - The method of claim 53 for creating a printing function from a computer to a facsimile machine by sending nonintercepted data signals representative of a document to be printed from a computer connected to an appropriate receiving port of a facsimile machine, said facsimile machine and computer by-passing or being isolated from one or more public network telephone lines. } new } in 53.

sub K<sub>1</sub> }  
J2  
Fig. 2h.  
D.  
Claim 36. Amendment 4 - A method of making a facsimile machine operable as a scanner or printer for a personal computer, each of the facsimile machine and personal computer for communicating normally using at least one public network telephone line, comprising the steps of:  
configuring the facsimile machine to communicate with the personal computer using a digital connector port of the facsimile machine and personal computer, with both the facsimile machine and personal computer isolated from said at least one public network telephone line;  
arranging the facsimile machine to be in a digital connection mode; and  
shifting the personal computer to a connection mode for sending or receiving nonintercepted digital signals for scanning or printing between the computer and the facsimile machine, in a facsimile machine format, using a digital connector port of the

personal computer, said computer being equipped with send/receive driver communications software enabling the transfer of said scanning or printing signals between the computer and the facsimile machine.

Claim 37. Amendment 2 - The method of claim 28 including using RJ 11 connector ports to interface between the facsimile machine and the personal computer.

Claim 40. Amendment 3 - The method of claim 36, using RS 232, parallel or other suitable digital port type connectors to interface between said facsimile machine and said computer.

Claim 43. Amendment 3 - A method of using a facsimile machine as a scanner or printer for a personal computer, each of the facsimile machine and personal computer for communicating using telephone types of circuits, said facsimile machine and computer being isolated from the public telephone network, comprising the steps of:

(a) Configuring the facsimile machine to communicate with the personal computer using the facsimile machine, and by-passing or isolating the facsimile machine and computer from the public telephone network,

(b) arranging the facsimile machine to be in a simulated off-hook condition, or connection mode; and

(c) shifting the personal computer to an off-hook condition, or connection mode for sending or receiving nonintercepted signals in facsimile formats through a passive link between the personal computer and the facsimile machine;

said computer being equipped with send/receive driver communications software enabling the transfer of said scanning or printing signals between the computer and the facsimile machine.

Sub K.1 }  
Claim 52. Amendment 2 - A method of using a facsimile machine with a computer, one or both of which being connected to a telephone line such that said facsimile machine operates as a scanning device when isolated from the telephone line comprising the steps of:

- (a) coupling the facsimile machine to the computer through a passive link;
- (b) generating a facsimile machine signal whereby the computer is conditioned to receive signals representing data on a scanned document;
- (c) generating a signal to simulate an off-hook condition or connection mode providing a direct path whereby the facsimile machine is conditioned to transmit signals without interception through the passive link to the computer, representing data on a scanned document.

JS → Claim 53. Amendment 2 - A method of using a facsimile machine with a computer, one or both of which being connected to a telephone line such that said facsimile machine operates as a printing device when isolated from the telephone line, comprising the steps of:

- (a) coupling the facsimile machine to the computer through a passive link;
- (b) generating a signal representative of a facsimile machine communications signal, whereby the computer is conditioned to transmit signals representing data on a document to be printed; and
- (c) generating a signal to simulate an off-hook condition or connection mode providing a direct path whereby the facsimile machine is conditioned to receive nonintercepted signals through the passive link representing data from the computer of a document to be printed.